

ANNUAL REPORT OF OPERATIONS FOR YEAR:
Idaho Aquaculture Permit

I. Facility Name: McCall Summer Chinook Fish Hatchery		NPDES # <u>IDG1310005</u>	
Operator Name (Permittee): Idaho Department of Fish and Game		Phone: (208) 634-2690	
Address: 300 Mather Rd. McCall, ID 83638		Fax:	
EPA - REGION 10 Enforcement & Compliance Assurance		E-Mail: Jamie.mitchell@idfg.idaho.gov	
Owner Name (if different from operator): LSRCP U.S. Fish and Wildlife Service		Phone: (208) 634-2690	
II. Annual Production:	Harvestable weight produced in the year : 55,728 pounds		
III. Food Used:	Number of pounds of food fed to the fish during the maximum month: August = 7,018 pounds		
IV. Noncompliance Summary:			
Include description & dates of noncompliance, the reasons for such incident, and the steps taken to correct the problem. Attach additional pages, if necessary. Non-compliance event 8/13/2019 - 9/9/2019 – Off Label Drug/Chemical application – SEE ATTACHEMENTS			
V. Best Management Practices (BMP) Plan			
BMP Plan has been reviewed this year.		YES X	NO
BMP Plan fulfills the requirements set forth in the permit:		YES X	NO
VI. Land application of solids and/or irrigation with wastewater			
Attach Maps of Application Sites. (Note: IDAPA 58.01.02.650 requires IDEQ approval for solids disposal on land.)			
Date	Location and Acreage of Application	Solids Applied in Cubic Yards or Pounds	Wastewater Applied in Gallons
NA	NA	NA	NA
Yearly Total		0	0
VII. Offline Settling Basin Discharge Frequency (generally) _0_ #hours/day _0_ #days/wk. _0_ #months/year or Other: <u>No discharge directly into river.</u>			

VIII. Chemical Usage (including pesticides and drugs)

Chemical	Date or # days used	Maximum concentration in effluent (actual or estimated)
Parasite S (formalin)	48	44 mg/L (Actual) - Eggs
Parasite S (formalin)	9	80 mg/L (Actual) - Fish
Iodine	12	10 mg/L (Actual) - Eggs

IX. Fish Importation, Transport, and Release Permits


Number of permits issued by Idaho Department of Fish and Game during the year: 2
 For which species? Rainbow trout eggs from Trout Lodge and Golden Trout eggs from Story F.H. Wyoming, both for alpine lake stocking.

X. Inspections and Repairs for production and wastewater treatment systems

Date Inspected	Date Repaired	Description of system inspected and/or repaired
No professional inspections were completed this year. Surface water intake was inspected by staff and found out to be faulty. 7/31/2019	No repairs in 2019	Each year while ponds and vats are emptied and disinfected, hatchery staff inspects all concrete fixtures. No obvious significant concrete cracking, leaking, or disrepair was observed this year in ponds and vats. In several inside vats, the paint is chipping and flaking off which will be addressed in the summer of 2020. The surface intake valve was found to be broken in the open position. We will be installing a new valve early in 2020.

XI. Signature & Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure the qualified personnel properly gather and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature: 	Title/Company: Assistant Hatchery Manager
Print Name: Malia Gallagher	Date: January 6, 2020

Idaho Aquaculture Permit
Quality Assurance Plan
(QA Plan)
Certification

Facility Name: IDFG McCall Summer Chinook Hatchery
NPDES Permit Number: IDG131005

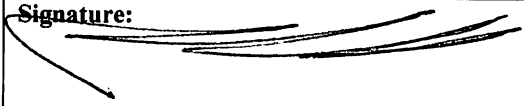
The QA Plan is complete and is available upon request to EPA and IDEQ or Tribe (if applicable).

The QA Plan is being implemented by trained employees.

The QA Plan has been reviewed and endorsed by the facility manager.

The individuals responsible for implementation of the QA Plan have been properly trained.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature: 	Title/Company: Fishery Manager Idaho Dept of Fish & Game
Print Name: Jamie Mitchell	Date: 1/15/2020

Existing and new permittees must submit this certification with the NOI (see Part VI.B. of the permit).

Idaho Aquaculture
Best Management Practices Plan
(BMP Plan)
Certification

Facility Name: IDFG McCall Summer Chinook Hatchery
NPDES Permit Number: IDG 131005


The BMP Plan is complete and is available upon request to EPA and IDEQ or Tribe (if applicable).

The BMP Plan is being implemented by trained employees.

The BMP Plan has been reviewed and endorsed by the facility manager.

The individuals responsible for implementation of the BMP Plan have been properly trained.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature: 	Title/Company: Fish Hatchery Manager Idaho Dept. of Fish & Game
Print Name: Jamie Mitchell	Date: 1/15/2020

Existing and new permittees must submit this certification with the NOI (see Part VI.A. of the permit).



Idaho Department of Fish and Game

McCall Fish Hatchery
300 Mather Road
McCall, ID 83638
208-634-2690

Brad Little / Governor
Ed Schriever / Director

Jan 10th, 2020

Subject: 2019 NPDES Non-compliance event

McCall Fish Hatchery – IDG131005

To whom it may concern,

Beginning on August 13th and concluding on September 9th of 2019, the staff at McCall Fish Hatchery full flow treated both of the outdoor rearing ponds with formalin for 9 days to control for external parasites. Unusually warm supply water from Payette Lake caused parasites to flourish this year thus requiring hatchery staff to perform these treatments to prevent elevated mortality. We followed the drug label for the treatment application and concentration however infrastructure limitations required us to treat and therefore discharge roughly 40% of the total hatchery flow each time we treated thus putting us in a state of non-compliance. Hatchery staff notified EPA region 10 via the non-compliance hotline and with a written letter directly after the period started and directly after the period of non-compliance ended. All detailed treatment calculations are available upon request. Additionally, McCall Fish hatchery staff identified a broken valve which was allowing warm lake surface water to enter the hatchery water supply which therefore increased the process water temperature. This broken valve will be replaced early in 2020 which should help control and prevent such non-compliance issues in the future. Please forward all questions and/or concerns to myself. Thank you for your time.

Sincerely,

Jamie Mitchell
IDFG
McCall Fish Hatchery Manager
jamie.mitchell@idfg.idaho.gov

Keeping Idaho's Wildlife Heritage

Chemical Log Sheet

Facility Name: McCall Summer Chinook Hatchery

NPDES Permit Number : IDG-131005Month: January 2019[illegible]

† Both a copy of the label with application requirements and the Material Safety Data Sheet (MSDS) must be kept in your records.

† Treatment type means, for example, static or flush bath, injection or feed.

Facility Name: McCall Summer Chinook Hatchery NPDES Permit Number : IDG-131005 Month: February 2019

Month: February 2019

4 Both a copy of the label with application requirements and the Material Safety Data Sheet (MSDS) must be kept in your records.
5 Treatment type means, for example, static or flush bath, injection or feed.

Facility Name: McCall Summer Chinook Hatchery NPDES Permit Number : IDG-131005 Month: March 2019

4 Both a copy of the label with application requirements and the Material Safety Data Sheet (MSDS) must be kept in your records.
5 Treatment type means, for example, static or flush bath, injection or feed.

Chemical Log Sheet

Facility Name: McCall Summer Chinook HatcheryNPDES Permit Number : IDG-131005Month: **April** **2019**[illegible]

⁴ Both a copy of the label with application requirements and the Material Safety Data Sheet (MSDS) must be kept in your records.

5 Treatment type means, for example, static or flush bath, injection or feed.

Chemical Log Sheet

Facility Name: McCall Summer Chinook Hatchery

NPDES Permit Number : IDG-131005Month: May 2019[illegible]

⁴ Both a copy of the label with application requirements and the Material Safety Data Sheet (MSDS) must be kept in your records.

‡ Treatment type means, for example, static or flush bath, injection or feed.

Chemical Log Sheet

Facility Name: McCall Summer Chinook Hatchery

NPDES Permit Number : IDG-131005Month: June 2019[illegible]

⁴ Both a copy of the label with application requirements and the Material Safety Data Sheet (MSDS) must be kept in your records.

⁵ Treatment type means, for example, static or flush bath, injection or feed.

Facility Name: McCall Summer Chinook Hatchery **NPDES Permit Number :** IDG-131005 **Month:** July 2019

Month: July 2019

⁵ Treatment type means, for example, static or flush bath, injection or feed.

Chemical Log Sheet

Facility Name: McCall Summer Chinook Hatchery

NPDES Permit Number : IDG-131005

Month: August 2019

Date	Raceway or Unit Treated	Chemical Name ⁴	Active Ingredient	Amount Applied per Unit (ml)	Units	Duration of Treatment	Treatment Type ⁵	Flow Treated (cfs)	Total Effluent Flow (cfs)	Effluent Concentration (ppb)	Initials
1-Aug	None	Ovadine	Ovadine	100 mL	n/a	n/a	Equipment disinfection	None	n/a	Not discharged	MG
3-Aug	None	Virkon	Virkon	11.7 g	n/a	n/a	Static bath (Foot bath)	None	n/a	Not discharged	MG
10-Aug	None	Virkon	Virkon	11.7 g	n/a	n/a	Static bath (Foot bath)	None	n/a	Not discharged	NH
13-Aug	Pond 1	Parasite-S	Formalin	40 gal	1	60 min	Flow Through	9.130	19.94	74,547	JM
13-Aug	Pond 2	Parasite-S	Formalin	40.6 gal	1	60 min	Flow Through	9.560	19.94	75,628	JM
15-Aug	Pond 1	Parasite-S	Formalin	39.47 gal	1	60 min	Flow Through	8.790	19.94	73,488	JM
15-Aug	Pond 2	Parasite-S	Formalin	39.89 gal	1	60 min	Flow Through	8.880	19.94	74,271	JM
17-Aug	None	Virkon	Virkon	11.7 g	n/a	n/a	Static bath (Foot bath)	None	n/a	Not discharged	KF
19-Aug	1	Parasite-S	Formalin	500 mL	1	15 min	Flow Through	0.011	19.94	983	MG
19-Aug	Pond 1	Parasite-S	Formalin	39.47 gal	1	60 min	Flow Through	8.790	19.94	73,488	MG
19-Aug	Pond 2	Parasite-S	Formalin	39.89 gal	1	60 min	Flow Through	8.880	19.94	74,271	MG
20-Aug	1	Parasite-S	Formalin	500 mL	1	15 min	Flow Through	0.011	19.94	983	MG
22-Aug	Pond 1	Parasite-S	Formalin	41.77 gal	1	60 min	Flow Through	9.300	19.94	77,774	MG
22-Aug	Pond 2	Parasite-S	Formalin	40.64 gal	1	60 min	Flow Through	9.050	19.94	75,669	MG
23-Aug	1-3	Parasite-S	Formalin	500 mL	3	15 min	Flow Through	0.034	19.94	2,949	MG
24-Aug	None	Virkon	Virkon	11.7 g	n/a	n/a	Static bath (Foot bath)	None	n/a	Not discharged	NH
26-Aug	1-8	Parasite-S	Formalin	500 mL	8	15 min	Flow Through	0.090	19.94	7,864	KF
26-Aug	Pond 1	Parasite-S	Formalin	40.13 gal	1	60 min	Flow Through	9.500	19.94	74,728	MG
26-Aug	Pond 2	Parasite-S	Formalin	40.14 gal	1	60 min	Flow Through	9.160	19.94	74,747	MG
27-Aug	1-8	Parasite-S	Formalin	500 mL	8	15 min	Flow Through	0.090	19.94	7,864	MG
28-Aug	1-8	Parasite-S	Formalin	500 mL	8	15 min	Flow Through	0.090	19.94	7,864	MG
29-Aug	Pond 1	Parasite-S	Formalin	40.13 gal	1	60 min	Flow Through	9.500	19.94	74,728	MG
29-Aug	Pond 2	Parasite-S	Formalin	40.14 gal	1	60 min	Flow Through	9.160	19.94	74,747	MG
30-Aug	1-17	Parasite-S	Formalin	500 mL	17	15 min	Flow Through	0.190	19.94	16,711	MG
31-Aug	None	Virkon	Virkon	11.7 g	n/a	n/a	Static bath (Foot bath)	None	n/a	Not discharged	AS

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⁵ Treatment type means, for example, static or flush bath, injection or feed.

Chemical Log Sheet

Facility Name: McCall Summer Chinook Hatchery

NPDES Permit Number : IDG-131005

Month: September

2019

Date	Raceway or Unit Treated	Chemical Name ⁴	Active Ingredient	Amount Applied per Unit	Units	Duration of Treatment	Treatment Type ⁵	Flow Treated (cfs)	Total Effluent Flow (cfs)	Effluent Concentration (ppb)	Initials
1-Sep	None	Iodine	Iodine	100 mL	n/a	n/a	Equipment disinfection	None	n/a	Not discharged	KF
2-Sep	1-26	Parasite-S	Formalin	500 mL	26	15 min	Flow Through	0.291	20.11	25,350	JM
2-Sep	Pond 1	Parasite-S	Formalin	39.14 gal	1	60 min	Flow Through	8.710	20.11	72,257	JM
2-Sep	Pond 2	Parasite-S	Formalin	38.98 gal	1	60 min	Flow Through	8.680	20.11	71,962	JM
3-Sep	1-26	Parasite-S	Formalin	500 mL	26	15 min	Flow Through	0.291	20.11	25,350	MG
4-Sep	1-26	Parasite-S	Formalin	500 mL	26	15 min	Flow Through	0.291	20.11	25,350	KF
5-Sep	1-26	Parasite-S	Formalin	500 mL	26	15 min	Flow Through	0.291	20.11	25,350	KF
6-Sep	1-26	Parasite-S	Formalin	500 mL	26	15 min	Flow Through	0.291	20.11	25,360	JM
7-Sep	None	Virkon	Virkon	11.7 g	n/a	n/a	Static bath (Foot bath)	None	n/a	Not discharged	JM
7-Sep	Pond 1	Parasite-S	Formalin	39.35 gal	1	60 min	Flow Through	8.760	20.11	72,645	JM
7-Sep	Pond 2	Parasite-S	Formalin	37.93 gal	1	60 min	Flow Through	8.350	20.11	70,038	JM
9-Sep	1-37	Iodine	Iodine	190 mL	37	15 min	Flow Through	0.414	20.11	13,690	MG
9-Sep	1-37	Parasite-S	Formalin	500 mL	37	15 min	Flow Through	0.414	20.11	36,075	MG
9-Sep	Pond 1	Parasite-S	Formalin	40.16 gal	1	60 min	Flow Through	9.220	20.11	74,144	MG
9-Sep	Pond 2	Parasite-S	Formalin	39.51 gal	1	60 min	Flow Through	8.800	20.11	72,941	MG
10-Sep	1-37	Parasite-S	Formalin	500 mL	37	15 min	Flow Through	0.414	20.11	36,075	MG
11-Sep	1-36	Parasite-S	Formalin	500 mL	36	15 min	Flow Through	0.403	20.11	35,100	MG
11-Sep	1-36	Iodine	Iodine	190 mL	36	15 min	Flow Through	0.403	20.11	13,320	MG
12-Sep	1-36	Parasite-S	Formalin	500 mL	36	15 min	Flow Through	0.403	20.11	35,100	MG
13-Sep	1-39	Parasite-S	Formalin	500 mL	39	15 min	Flow Through	0.437	20.11	38,025	MG
13-Sep	1-39	Iodine	Iodine	190 mL	39	15 min	Flow Through	0.437	20.11	14,430	MG
14-Sep	None	Virkon	Virkon	11.7	g	n/a	Static bath (Foot bath)	None	n/a	Not discharged	MG
16-Sep	1-39	Parasite-S	Formalin	500 mL	39	15 min	Flow Through	0.437	20.11	38,025	MG
16-Sep	1-39	Iodine	Iodine	190 mL	39	15 min	Flow Through	0.437	20.11	14,430	MG
17-Sep	1-39	Parasite-S	Formalin	500 mL	39	15 min	Flow Through	0.437	20.11	38,025	MG
18-Sep	1-39	Parasite-S	Formalin	500 mL	39	15 min	Flow Through	0.437	20.11	38,025	KF
18-Sep	1-39	Iodine	Iodine	190 mL	39	15 min	Flow Through	0.437	20.11	14,430	MG
19-Sep	1-39	Parasite-S	Formalin	500 mL	39	15 min	Flow Through	0.437	20.11	38,025	KF
20-Sep	1-39	Parasite-S	Formalin	500 mL	39	15 min	Flow Through	0.437	20.11	38,025	MG
20-Sep	1-39	Iodine	Iodine	190 mL	39	15 min	Flow Through	0.437	20.11	14,430	MG
21-Sep	None	Virkon	Virkon	11.7	g	n/a	Static bath (Foot bath)	None	n/a	Not discharged	KL
23-Sep	1-39	Parasite-S	Formalin	500 mL	39	15 min	Flow Through	0.437	20.11	38,025	KF
25-Sep	1-39	Parasite-S	Formalin	500 mL	39	15 min	Flow Through	0.437	20.11	38,025	JM
26-Sep	1-39	Parasite-S	Formalin	500 mL	39	15 min	Flow Through	0.437	20.11	38,025	JM
27-Sep	1-39	Parasite-S	Formalin	500 mL	39	15 min	Flow Through	0.437	20.11	38,025	JM
28-Sep	1-39	Parasite-S	Formalin	500 mL	39	15 min	Flow Through	0.437	20.11	38,025	KF
28-Sep	None	Virkon	Virkon	11.7	g	n/a	Static bath (Foot bath)	None	n/a	Not discharged	AW
30-Sep	1-39	Parasite-S	Formalin	500 mL	39	15 min	Flow Through	0.437	20.11	38,025	KF

⁴ Both a copy of the label with application requirements and the Material Safety Data Sheet (MSDS) must be kept in your records

⁵ Treatment type means, for example, static or flush bath, injection or feed.

Chemical Log Sheet

Facility Name: McCall Summer Chinook Hatchery

NPDES Permit Number : IDG-131005

Month: October 2019

Date	Raceway or Unit Treated	Chemical Name ⁴	Active Ingredient	Amount Applied per Unit	Units	Duration of Treatment	Treatment Type ⁵	Flow Treated (cfs)	Total Effluent Flow (cfs)	Effluent Concentration (ppb)	Initials
1-Oct	None	Iodine	Iodine	100 mL	n/a	n/a	Equipment	None	n/a	Not discharged	MG
1-Oct	1-39	Parasite-S	Formalin	500 mL	39	15 min	Flow Through	0.437	15.75	48,555	KF
2-Oct	1-39	Parasite-S	Formalin	500 mL	39	15 min	Flow Through	0.437	15.75	48,555	MG
2-Oct	1-39	Iodine	Iodine	190 mL	39	15 min	Flow Through	0.437	15.75	48,555	KF
3-Oct	1-39	Parasite-S	Formalin	500 mL	39	15 min	Flow Through	0.437	15.75	48,555	MG
4-Oct	1-39	Parasite-S	Formalin	500 mL	39	15 min	Flow Through	0.437	15.75	48,555	MG
4-Oct	1-39	Iodine	Iodine	190 mL	39	15 min	Flow Through	0.437	15.75	48,555	MG
5-Oct	None	Virkon	Virkon	11.7 g	n/a	n/a	Static bath (Foot bath)	None	n/a	Not discharged	AS
7-Oct	1-39	Parasite-S	Formalin	500 mL	39	15 min	Flow Through	0.437	15.75	48,555	MG
7-Oct	1-39	Iodine	Iodine	190 mL	39	15 min	Flow Through	0.437	15.75	48,555	MG
8-Oct	2-39	Parasite-S	Formalin	500 mL	38	15 min	Flow Through	0.426	15.75	47,310	MG
9-Oct	2-40	Parasite-S	Formalin	500 mL	38	15 min	Flow Through	0.426	15.75	47,310	MG
9-Oct	2-40	Iodine	Iodine	190 mL	38	15 min	Flow Through	0.426	15.75	47,310	MG
10-Oct	2-40	Parasite-S	Formalin	500 mL	38	15 min	Flow Through	0.426	15.75	47,310	MG
11-Oct	2-40	Parasite-S	Formalin	500 mL	38	15 min	Flow Through	0.426	15.75	47,310	MG
11-Oct	2-40	Iodine	Iodine	190 mL	38	15 min	Flow Through	0.426	15.75	47,310	MG
12-Oct	None	Virkon	Virkon	11.7 g	n/a	n/a	Static bath (Foot bath)	None	n/a	Not discharged	KF
15-Oct	4-40	Parasite-S	Formalin	500 mL	36	15 min	Flow Through	0.403	15.75	44,820	KF
17-Oct	8-38,40	Parasite-S	Formalin	500 mL	32	15 min	Flow Through	0.358	15.75	39,840	KF
18-Oct	8-38,40	Parasite-S	Formalin	500 mL	32	15 min	Flow Through	0.358	15.75	39,840	JM
18-Oct	8-38,40	Iodine	Iodine	190 mL	32	15 min	Flow Through	0.358	15.75	39,840	JM
19-Oct	None	Virkon	Virkon	11.7 g	n/a	n/a	Static bath (Foot bath)	None	n/a	Not discharged	KL
21-Oct	8-38,40	Parasite-S	Formalin	500 mL	32	15 min	Flow Through	0.358	15.75	39,840	KF
22-Oct	8-38,40	Parasite-S	Formalin	500 mL	32	15 min	Flow Through	0.358	15.75	39,840	KF
23-Oct	8-38,40	Parasite-S	Formalin	500 mL	32	15 min	Flow Through	0.358	15.75	39,840	KF
24-Oct	8-38	Parasite-S	Formalin	500 mL	31	15 min	Flow Through	0.347	15.75	38,595	KF
25-Oct	8-38	Parasite-S	Formalin	500 mL	31	15 min	Flow Through	0.347	15.75	38,595	KF
26-Oct	None	Virkon	Virkon	11.7 g	n/a	n/a	Static bath (Foot bath)	None	n/a	Not discharged	AW
26-Oct	8-38	Parasite-S	Formalin	500 mL	31	15 min	Flow Through	0.347	15.75	38,595	JM
28-Oct	18-38	Parasite-S	Formalin	500 mL	21	15 min	Flow Through	0.235	15.75	26,145	JM
30-Oct	18-38	Parasite-S	Formalin	500 mL	21	15 min	Flow Through	0.235	15.75	26,145	MG

⁴ Both a copy of the label with application requirements and the Material Safety Data Sheet (MSDS) must be kept in your records.

⁵ Treatment type means, for example, static or flush bath, injection or feed.

Chemical Log Sheet

Facility Name: McCall Summer Chinook Hatchery

NPDES Permit Number : IDG-131005Month: **November** **2019**[illegible]

⁴ Both a copy of the label with application requirements and the Material Safety Data Sheet (MSDS) must be kept in your records.

⁵ Treatment type means, for example, static or flush bath, injection or feed.

Chemical Log Sheet

Facility Name: McCall Summer Chinook Hatchery

NPDES Permit Number : IDG-131005Month: **December** **2019**[illegible]

⁴ Both a copy of the label with application requirements and the Material Safety Data Sheet (MSDS) must be kept in your records.

⁵ Treatment type means, for example, static or flush bath, injection or feed.